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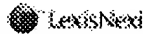

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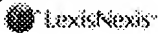



- ☐ 1. Purification and characterization of an extracellular polysaccharide from haloalkalophilic *Bacillus* sp. I-450  
**Kumar, C.G. / Joo, H.-S. / Choi, J.-W. / Koo, Y.-M. / Chang, C.-S., *Enzyme and Microbial Technology*, Jun 2004**  
 ...carboxyl groups in the **polysaccharide**. This is because...affinity of the **polysaccharide** for interaction...with respect to **viscosity** and **gel** strength measurements...reduction in the **viscosity** suggests the disruption of the **gel** structure and attaining...  
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- ☐ 2. NOVEL POLYSACCHARIDE HAVING SPECIFIC VISCOSITY CHARACTERISTIC AND ITS PRODUCTION  
**OKAMURA KAZUHIKO / YANASE EIJI / TSUSHOSANGYOSHO KISO SANGYOKYOKUCHO, PATENT ABSTRACTS OF JAPAN**, Aug 1998  
 ...SOLVED: To obtain a **polysaccharide** which has a specified...changes in its **viscosity** but also changes...viscous solution to a **gel** state by culturing...culture. SOLUTION: **Polysaccharide**-producing bacteria...solution of this **polysaccharide** is a viscous solution...solution is in a **gel** state.  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 3. METHOD FOR MANUFACTURING HYDROGEL BY RECYCLINGLY USED POLYSACCHARIDE DERIVATIVE  
**YOSHII FUMIO / KUME TAMIKAZU / JAPAN ATOM ENERGY RES INST, PATENT ABSTRACTS OF JAPAN**, Feb 2004  
 ...time whose **viscosity** is gradually reduced to lose **gel** elasticity...disposing of this **viscosity**-reduced hydrogel...recycling the used **polysaccharide** derivative...reduced in **viscosity** by using the...cellulose and/or **polysaccharide** derivative...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 4. Absorbent articles for feminine protection with gel-forming polysaccharide-comprising wings  
**Carlucci, Giovanni / Pesce, Antonella / Di Cintio, Achille / THE PROCTER & /**

 Re  
us  
foi  
api  
car  
chi  
foc  
gel  
gel  
gu:  
int  
jur  
me  
pai  
pe:  
wa  
xai  
Or  
AI  
F

**GAMBLE COMPANY, EUROPEAN PATENT, Apr 2003**

...a **gel-forming polysaccharide** or mixture thereof in the wings. **Gel-forming polysaccharides** for use herein...will result in **viscosity** increase of those fluids or even **gel** formation. This...Suitable **gel-forming polysaccharides** for use according...

**Full text available at patent office. For more in-depth searching go to**  **similar results**

☐ **5. POLYSACCHARIDE BASED GEL**

**WILLIAMS, Peter / HICKEY, Martina / MITCHELL, David / CHESHAM CHEMICALS LIMITED, PATENT COOPERATION TREATY APPLICATION, Dec 2001**

...24°C. The **viscosity** of the resulting **gel** is partly...non-gelling **polysaccharide** solution...instance, the **viscosity** of a xanthan-konjac mannan **gel** which results...than the **viscosity** of a corresponding **gel** which results...starting **polysaccharide** solution...

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☐ **6. Polysaccharide which can reduce viscosity resulting from psyllium, and foods containing the polysaccharide and psyllium**

**Ueda, Kazuhiko / Akiyama, Daizaburo / Date, Katsuhiko / Nakazeko, Takuo / Kawamura, Yasumasa / NISSIN SHOKUHIN KABUSHIKI KAISHA, EUROPEAN PATENT, Jun 2000**

...elevated **viscosity/gel** formation...specified **polysaccharide** as described...containing such **polysaccharide** having low **viscosity** was heated...sterilizing it, **gel** formation...**viscosity** and **gel** strength...psyllium **viscosity**-reducing **polysaccharide** As described...

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☐ **7. Behaviors of Polysaccharide Solution, Dispersions and Gels [7K]**

Jun 2002

Choosing a gum n Consider – Available **viscosity** grades – Amount of the proper **viscosity** grade to give the specified **viscosity** or **gel** strength – Cost/functionality (cost of the amount needed to impart the...

more hits from [http://www.cfs.purdue.edu/class/f&n630/Virt\_Class\_2/po...]

similar results

☐ **8. On the interchain associations in aqueous solutions of a succinoglycan polysaccharide Boutebba, A. / Milas, M. / Rinaudo, M., International Journal of Biological Macromolecules, May 1999**

...Succinoglycan **Polysaccharide** Aggregation...Order-disorder transition **Gel** Introduction...extracellular bacterial **polysaccharide**, is produced...induce a high **viscosity** in aqueous solutions...other worm-like **polysaccharides** or previously...look like a **gel**. In the , we...the Newtonian **viscosity** of these heated...

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☐ **9. Characterization of the extracellular polysaccharide produced by a marine cyanobacterium, Cyanothece sp. ATCC 51142, and its...**

**V Shah / A Ray / N Garg / D Madamwar, Curr Microbiol, Apr 2000**

...physicochemical properties, such as relative **viscosity**, specific **viscosity**, and intrinsic **viscosity** of the EPS were studied under different conditions. The phenomenon of **gel** formation by the EPS was investigated for its...

**MEDLINE/PubMed Citation on** 

similar results

☐ **10. Sol - gel transition of alginate solution by addition of calcium ions : [PDF-58K]**

Oct 2002

...concentration dependence of **gel** point for a polyelectrolyte...known to undergo sol-

gel transition by addition...critical behavior of **viscosity** for this system has...paper [12].  
 Nº1 SOL-GEL TRANSITION OF ELECTROLYTE **POLYSACCHARIDE** 3 2 Experimental.  
 Sodium...  
[more hits from \[http://www.edpsciences.org/articles/jp2/pdf/1993/01/jp...\]](http://www.edpsciences.org/articles/jp2/pdf/1993/01/jp...)  
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- ❑ 11. Reduction of postoperative perineural adhesions by Hyaloglidle gel: an experimental study in the rat sciatic nerve.

**Phong Dam-Hieu / Catherine Lacroix / Gérard Said / Pauline Devanz / Song Liu / Marc Tadie**, *Neurosurgery*, Apr 2005

OBJECTIVE: To assess the effects of Hyaloglidle **gel** (or auto-cross-linked **polysaccharide** [ACP] **gel** Fidia Advanced Biopolymers, Abano Terme...adhesions were found in animals treated with ACP **gel** (high **viscosity**) and Adcon-T/N compared with controls. Quantitative...

**MEDLINE/PubMed Citation on PubMed**

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- ❑ 12. A comparative study on structure-function relations of mixed-linkage (1→3), (1→4) linear  $\beta$ -d-glucans

**Lazaridou, A. / Biliaderis, C.G. / Micha-Screttas, M. / Steele, B.R.**, *Food Hydrocolloids*, Sep 2004

...solution and **gel** state were studied...lichenan sample. All **polysaccharides** analyzed by 2D...concentration ( $c \cdot \cdot$ ), **viscosity**, viscoelastic...broad endothermic **gel**- sol transitions...ratio of the **polysaccharide**. Furthermore...addition to solution **viscosity** enhancement...been shown to **gel** under certain...

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- ❑ 13. Sol-gel-derived biomaterials of silica and carrageenans

**Shchipunov, Y.A.**, *Journal of Colloid and Interface Science*, Dec 2003

...to the mature or cured **gel**. This represents a final...notably the kinetics of sol-**gel** processes. They all induced...stage ( Fig. 4 ). The **viscosity** of the solutions began...THEOS concentrations. The **polysaccharides** affected also the conditions for the **gel** preparation. The acceleration...

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- ❑ 14. Impact of proteins-k-carrageenan interactions on foam properties

**Carp, D.J. / Baeza, R.I. / Bartholomai, G.B. / Pilosof, A.M.R.**, *Lebensmittel-Wissenschaft und -Technologie*, Aug 2004

...for the development of **viscosity** during cooling of foams...Fig. 1 Fig. 1 Apparent **viscosity** of mixed **polysaccharide**-protein foams during **gel** formation as a function...observed while apparent **viscosity** was measured. Therefore...

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- ❑ 15. Complementary exploration of the action pattern of hyaluronate lyase from Streptococcus agalactiae using capillary...

**Andrea V Kühn / Jörg-H. Ozegowski / Gundela Peschel / Reinhard H H Neubert**, *Carbohydr Res*, Oct 2004

...analyzed by capillary electrophoresis (CE-UV and online CE-ESIMS), **gel**-permeation chromatography (GPC) and viscosimetric measurements...observed oligosaccharides and reaction time. Determination of **viscosity** at different stages of reaction yielded an initial rapid decrease...

**MEDLINE/PubMed Citation on PubMed**

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16. HETERO-POLYSACCHARIDE CONJUGATES, S-INP POLYSACCHARIDE GELS AND METHODS OF MAKING AND USING THE SAME

**MARES-GUIA, Marcos / RICORDI, Camillo / Biommm, Incorporated, EUROPEAN PATENT**, Feb 2000

...novel hetero-**polysaccharide** conjugate...adjustable **viscosity**, prepared...of hetero-**polysaccharide** conjugate...calcium and/or a **gel** or sol comprising the hetero-**polysaccharide** conjugate...adjustable **viscosity**, prepared...

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17. Molecular weight, tertiary structure, water binding and colon behaviour of ispaghula husk fibre.

**Saphwan Al-Assaf / Glyn O Phillips / Peter A Williams / Shoji Takigami / Peter Dettmar / Michael Havler, Proc Nutr Soc**, Feb 2003

...alkaline extracts, of the **polysaccharide** from ispaghula husk (IH) were examined using **gel**-permeation chromatography...106 Da. To mimic the **polysaccharide** degradation, particularly...becomes bound to the **polysaccharide** and freezes and melts...form a solid and stiff **gel**, the greater part of...

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18. A new precursor for the immobilization of enzymes inside sol-gel-derived hybrid silica nanocomposites containing...

**Shchipunov, Y.A. / Karpenko, T.Y. / Bakunina, I.Y. / Burtseva, Y.V. / Zvyagintseva, T.N., Journal of Biochemical and Biophysical Methods**, Jan 2004

...provided by the **polysaccharide** added into a...introduced, the sol-**gel** transition was...rise of the **viscosity**. It was accompanied...type of added **polysaccharide**, transferred...the zero-shear **viscosity** and plateau modulus on the **polysaccharide** concentration...unmodified silica **gel**. Furthermore...

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19. Gelling of otherwise nongelable polysaccharides

**Shchipunov, Y.A. / Karpenko, T.Yu. / Krekoten, A.V. / Postnova, I.V., Journal of Colloid And Interface Science**, Jul 2005

...diversity, all the **polysaccharides** mentioned may be assigned...aqueous solutions into a **gel** state. They could only increase the **viscosity**, providing a thickening...transition into a **gel** state was found in the **polysaccharide** solutions only when...

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20. CROSS-LINKED POLYSACCHARIDE COMPOSITION

**VONWILLER, Simone, Charlotte / HEBER, Geoffrey, Kenneth / ULTRACEUTICALS R & / D PTY LIMITED, PATENT COOPERATION TREATY APPLICATION**, Oct 2004

...linked **polysaccharide gel**. Optionally, the cross-linked **polysaccharide gel** may be further treated...mixture to affect the **viscosity** of the **gel**. As further reported in the Examples below, the **polysaccharide gel** formed by the foregoing...

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polysaccharide AND gel AND viscosity AND centipoise

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☐ **21. COMPOSITIONS OF POLYACIDS AND POLYETHERS AND METHODS FOR THEIR USE IN REDUCING PAIN**

**SCHWARTZ, Herbert, E. / BLACKMORE, John, M. / CORTESE, Stephanie, M. / OPPELT, William, G. / DIZEGERA, Gere / FZIOMED, INC., PATENT COOPERATION TREATY APPLICATION**, Mar 2005

...Ionic cross-linking of **polysaccharides** is well documented...Morris and Norton, **Polysaccharide** Aggregation in Solutions...alpha-L-glucuronic acid **polysaccharide**) can fond association...ordered structures and **gel** formation. Similar...gels having increased **viscosity**. Creation of complexes...

**Full text available at patent office. For more in-depth searching go to**  [LexisNexis](#) [similar results](#)

☐ **22. MICROPARTICLES OF A THERMALLY-GELLING POLYMER**

**COOK, Richard, B. / XC Corporation, EUROPEAN PATENT**, Oct 2001

...use of high-**viscosity**, maximum-**gel**- strength agarose...of the lower-**viscosity**, lower-**gel**-strength agarose...the gelling **polysaccharide** concentration, the higher the **viscosity** of the composition...less than 300 **centipoise** (cps) (300 mPas...

**Full text available at patent office. For more in-depth searching go to**  [LexisNexis](#) [similar results](#)

☐ **23. NONFOAMING GEL SHAVING COMPOSITION**

**YAMAMOTO NOBUSHIGE / TOTOKI SHINTARO / UTSU ATSUSHI / KAO CORP, PATENT ABSTRACTS OF JAPAN**, May 1997

...nonfoaming **gel** shaving composition...polymer and a **polysaccharide** polymer as...setting the **viscosity** of the composition...0wt. %), a **polysaccharide** polymer...Brookfield **viscosity** is adjusted...000-70,000 **centipoise** at 30°C. The **polysaccharide** polymer is...

**Full text available at patent office. For more in-depth searching go to**  [LexisNexis](#) [similar results](#)


☐ **24. COMPOSITIONS AND METHODS FOR REDUCING SCAR TISSUE FORMATION**


**FISCHELL, Robert, E. / FISCHELL, Tim, A. / FISCHELL, Sarah, T. / WALDORF, Clayton, MacKenzie / AFMEDICA, INC., PATENT COOPERATION TREATY APPLICATION**, Dec 2004


...within a liquid, solid or **gel**. The diameter of the...the bubbles. The term "**gel**" as used


Re  
us  
fo  
ab:  
ag:  
cel  
chi  
gel  
gly  
hy:  
hy:  
pol  
sol  
sur  
tis:  
vo:  
wa  
xai  
Or  
AI  
F


herein, refers...various degrees, a medium **viscosity** liquid or a jelly-like...suspended in a solvent. A **gel** may also encompass a...oligonucleotides or nucleotides, **polysaccharides** or sugars. Compounds...


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- ☐ 25. POLYSACCHARIDE MICROSPHERES FOR THE PULMONARY DELIVERY OF DRUGS  
**ILLUM, Lisbeth / WATTS, Peter, James / West Pharmaceutical Services Drug Delivery & / Clinical Research Centre Limited, EUROPEAN PATENT**, Feb 1999  
...20 ml. The **viscosity** of the resultant drug/**polysaccharide** solution should...A solution **viscosity** in the range 1 - 15 **centipoise** is preferred...system such **viscosity** is measured...The drug/**polysaccharide** solution can...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 26. Stabilized fluids containing soluble zinc  
**Cashion, James P. / Dobson Jr., James W. / Texas United Chemical Company, LLC., EUROPEAN PATENT**, Jun 1998  
...low shear rate **viscosity** of brine- based, **polysaccharide**-containing fluids...increasing the **viscosity** of the brines by...and derivatized **polysaccharides**. While combining...bromides, and the **viscosity** produced is often...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 27. SOFT TISSUE AUGMENTATION MATERIAL  
**Hubbard, William G. / Bioform Inc., EUROPEAN PATENT**, Jan 1995  
...scars. Kresa et al. "Hydron **Gel** Implants in Vocal Cords", Otolaryngology...shaped implant of a hydrophilic **gel** that has been previously dried...biocompatible, resorbable lubricious **gel** carrier comprising, e.g., a **polysaccharide**. This serves to improve the...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 28. Sterile gel compositions for wound treatment  
**Hardy, Craig Julian / Findlay, Charlotte Maria / JOHNSON & / JOHNSON MEDICAL, INC., EUROPEAN PATENT**, Jan 1996  
...drastic reduction in the **gel viscosity**. This rules out sterilisation...casting an aqueous **gel** of a **polysaccharide** such as an alginate...000 to 350,000. Each **gel** is then sterilised...measure of FO 12 . The **viscosity** in **centipoise** (cps) at 20°C is...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 29. GEL-FORMING COMPOSITIONS  
**BROWNE, L. Daniel / DAKE, Michael D. / WAUGH, Jacob / ESSENTIA BIOSYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION**, Apr 2001  
...373) ionic **polysaccharides**, such as...existing **gel** compositions...complex **viscosity** profiles...having a **viscosity** ranging from...Preferably, the **viscosity** of the **gel** decreases...carboxyalkyl **polysaccharide** derivative...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 30. APHRON-CONTAINING WELL DRILLING AND SERVICING FLUIDS OF ENHANCED STABILITY  
**BROOKEY, Tommy, F. / Actisystems, Inc., EUROPEAN PATENT**, Jul 2001  
...low shear rate **viscosity** of at least 40 000 **centipoise**. In a second...low shear rate **viscosity** of at least 40,000 **centipoise**. In a third aspect...least 10,000 **centipoise**. ELSRV fluids...low shear rate **viscosity** (LSRV) at 0.5...  
**Full text available at patent office. For more in-depth searching go to**  **LexisNexis**  
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- ☐ 31. CHITOSAN-CONTAINING WELL DRILL AND SERVICING FLUIDS

**COWAN, Jack, C. / VENTURE INNOVATIONS, INC., PATENT COOPERATION TREATY APPLICATION, Oct 2002**


...unique in that it is a **polysaccharide** containing primary...for controlling the **viscosity, gel** strength, and fluid...is well known that **polysaccharides** are degraded by heat...**polysaccharides** decreases the **viscosity** of the fluid, most...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **32. Polysaccharide containing fluids having enhanced thermal stability**

**Dobson, James W. / TEXAS UNITED CHEMICAL COMPANY, LLC., EUROPEAN PATENT, Jun 1995**

...well known **polysaccharides** which are...such as **viscosity, gel** strength...examples of **polysaccharides** include starches...stability of **polysaccharide**-containing...plastic **viscosity** in Pascal second (**centipoise**) YP = yield...10 minute **gel** strengths...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **33. Aqueous film forming foam concentrates for hydrophilic combustible liquids and method for modifying viscosity of same**

**Hansen, Steven W. / Wagner, Debbie L. / ANSUL, INCORPORATED, EUROPEAN PATENT, Aug 1994**


...high molecular weight **polysaccharides**, performance is unsatisfactory...concentrates with a very high **viscosity**. A typical AFFF concentrate...high molecular weight **polysaccharide** will exhibit a **viscosity** of 3000-5000 **centipoise** (mPa.s) when measured...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **34. SOFT TISSUE AUGMENTATION MATERIAL**

**HUBBARD, William, G. / HUBBARD, William, G., PATENT COOPERATION TREATY APPLICATION, Aug 1993**

...scars. Kresa et al, "Hydron **Gel** Implants in vocal Cords", Otolaryngology...shaped implant of a hydrophilic **gel** that has been previously dried...biocompatible, resorbable lubricious **gel** carrier comprising, e.g., a **polysaccharide**. This serves to improve the...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **35. Thermally reversible and irreversible gels**

**Viegas, Tacey X. / Henry, Raymond L. / Reeve, Lorraine E. / MDV Technologies, Inc., EUROPEAN PATENT, Feb 1992**


...form of a counter-ion to **gel** the **polysaccharide** upon release of the counter-i...body, forms a semi- solid **gel** having a very high **viscosity**. Release of the counter-i...body, forms a semi-solid **gel** having a very high **viscosity**. Because the preferred...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **36. TISSUE TREATMENT**

**BOURNE, George / BUISIER, Marcia / CASEY, Thomas, V., II / KEENAN, Steve / LANPHERE, Janel / LI, Jianmin / MCKENNA, Erin / (...) / SCIMED LIFE SYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION, Oct 2003**


...about 1% or less **polysaccharide**. The **polysaccharide** is alginate. The...gelling compound is a **polysaccharide**. The gelling compound...mole or greater. The **viscosity** of the base polymer...is a photograph of **gel**-stabilized drops...

**Full text available at patent office. For more in-depth searching go to  LexisNexis similar results**

☐ **37. VASCULAR ACCESS PRESERVATION IN HEMODIALYSIS PATIENTS**

**VOURNAKIS, John, M. / FINKIELSZTEIN, Sergio / PARISER, Ernst, R. / MARINE POLYMER TECHNOLOGIES, INC., PATENT COOPERATION TREATY APPLICATION, Mar 2005**

The present invention relates generally to the field of hemodialysis, including methods and kits that can be employed to improve hemodialysis therapy. The present invention encompasses methods and kits useful for reducing vascular access complications...

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☐ **38. BONE-TREATMENT INSTRUMENT AND METHOD**

**DANIEL, Steven, A. / BALBIERZ, Daniel, J. / RUSSELL, Robert, D. / PEARSON, Robert / TAMAYO, Andres / JIMBO, Takehito / FRISCHMEYER, Karen / RITA MEDICAL SYSTEMS, INC.,** *PATENT COOPERATION TREATY APPLICATION*, Jul 2002

Disclosed is a system for palliatively treating a pain-causing tumor on or in bone. The system includes an instrument (286) having a distal-end structure (294) adapted to be inserted into the bone tumor, where the structure (294) is activatable to...

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☐ **39. MEDICAL POLYMER GEL**

**TANIHARA, Masao / KINOSHITA, Hisao / KURARAY CO., LTD.,** *EUROPEAN PATENT*, May 1996

...relates to a novel water swelling polymer **gel** consisting of **polysaccharide** having excellent transparency, thermal...biocompatibility. As such water swelling polymer **gel** consisting of **polysaccharide**, it is known a **gel** composed of agar, agarose and carrageenan...

**Full text available at patent office. For more in-depth searching go to**  LexisNexis  
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☐ **40. SURFACTANT-POLYMER COMPOSITION FOR SUBSTANTIALLY SOLID-FREE WATER BASED DRILLING, DRILL-IN, AND COMPLETION FLUIDS**

**QUINTERO, Lirio / BAKER HUGHES INCORPORATED,** *PATENT COOPERATION TREATY APPLICATION*, Jun 2003

...as measured in I **centipoise** units. The coefficient of **viscosity** of a normal homogeneous...is analogous to **viscosity** in Newtonian fluids...similarly measured in **centipoise** units. In drilling...point, low plastic i **viscosity**, high **gel** strength, with thermal...

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